

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions and listings of claims in the application:

1. - 27. (Cancelled).

28. (New) An isolated or purified antibody that binds to an amino acid sequence present in SEQ ID NO:5, SEQ ID NO:6, SEQ ID NO:7, SEQ ID NO:8, SEQ ID NO:9, SEQ ID NO:10, SEQ ID NO:11, SEQ ID NO:12, SEQ ID NO:13, SEQ ID NO:14, SEQ ID NO:16, SEQ ID NO:17, SEQ ID NO:18, SEQ ID NO:19, SEQ ID NO:20, SEQ ID NO:21, or SEQ ID NO:22.

29. (New) The antibody of claim 28, wherein the antibody detects or identifies the E1 or E2 protein of human papilloma virus 16 (HPV 16).

30. (New) The antibody of claim 28, which is a monoclonal antibody.

31. (New) The antibody of claim 28, which is a polyclonal antibody.

32. (New) Polyclonal antisera comprising the antibody of claim 28.

33. (New) A composition comprising the antibody of claim 28, and an antibody binding buffer.

34. (New) The composition of claim 33, which is a diagnostic composition.

35. (New) The composition of claim 33, wherein the composition is used for identifying, diagnosing, or detecting HPV 16 infection.

36. (New) A method of identifying, diagnosing, or detecting HPV 16 infection, said method comprising

contacting a sample from a human suspected of being infected with HPV 16 with an isolated or purified antibody that binds to an amino acid sequence present in SEQ ID NO:5, SEQ ID NO:6, SEQ ID NO:7, SEQ ID NO:8, SEQ ID NO:9, SEQ ID NO:10, SEQ ID NO:11, SEQ ID NO:12, SEQ ID NO:13, SEQ ID NO:14, SEQ ID NO:16, SEQ ID NO:17, SEQ ID NO:18, SEQ ID NO:19, SEQ ID NO:20, SEQ ID NO:21, or SEQ ID NO:22, and

detecting binding of said antibody to said amino acid sequence,  
wherein binding indicates an HPV 16 infection.

37. (New) The method of claim 36, wherein said detecting is by enzyme linked immunosorbent assay (ELISA).

38. (New) The method of claim 36, wherein said method detects binding of said antibody with the E1a, E1b, or E2 protein of HPV 16.